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MOTOR VEHICLES, See AUTOMOBILES; DUMP TRUCKS; MOTORCYCLES; POWER MOWERS; TRUCKS, COMMERCIAL; TRUCKS, INDUSTRIAL.

#### MOTORCYCLES

Motorbike-cycle-scooter deaths rise--lack of safety helmet a factor (Wire). Feb., 86.

#### Nader, Ralph

Opposed the LBJ Highway Safety Act of 1966--made eleven recommendations (Wire). June, 85, 88.  
Testimony at congressional hearings on faulty car design (Wire). Apr., 80-81.  
Testimony before Senate Public Works Committee on S 3052 (Wire). June, 93.

#### NATIONAL SAFETY COUNCIL

Howard Pyle presented NSC's 18-point traffic safety program at the Congressional hearings (Wire). Apr., 64, 66, 70.  
Keeping posted. New safety materials from the National Safety Council. Monthly feature.  
NSC Industrial Conference report. Apr., 44-45.  
NSC industrial section contest winners. May, 117-122.

#### NATIONAL SAFETY COUNCIL (continued)

National Safety Council auditor's report, 1965. May, 80.  
Public Utilities Section wins Cameron award. Jan., 78.  
Staff changes in NSC Industrial Department (Personals). Mar., 126, 128.  
Training programs available from the National Safety Council. Jan., 104.

#### NEWSPAPERS

New York Times suggests government action in traffic safety, sounds good to them (Wire). Jan., 90.

#### OBITUARIES

Antoine, Louis H.--Died December 14, 1965. Feb., 94.  
Austin, George R.--Died December 9, 1965. Mar., 130.  
Cantwell, Alfred W.--Died December 28, 1965. Feb., 94.  
McCulloch, Buford B.--Died November 20, 1965. Feb., 94.  
O'Donnell, Paul W.--Died November 13, 1965. Jan., 98.  
Raese, George P.--Died December 1, 1965. Feb., 94.  
Rostmeyer, John P.--Died November 23, 1965. Jan., 98.  
Stout, Ellis--Died March 23, 1966. June, 57.

#### O'Connor, Robert B.

On "Industrial accidents" at White House Conference on Health (Wire).  
Jan., 85.

#### OFF THE JOB

Corporate presidents speak out on off-the-job safety. Apr., 43.  
Off the job--planning OTJ programs for plant and community (Belknap).  
Jan., 38; Feb., 95, 96; Mar., 156; Apr., 41-42; May, 48-49; June,  
52-53.  
PCA-backed off-the-job safety effort got results. June, 36-37.  
Programming idea (off job) (Belknap). May, 48.  
Steel company--off job accidents eight times higher than for on job  
(Wire). Jan., 85.  
Suspense, participation, keynotes this OTJ program. Feb., 36-37.  
Two-way reminder sign with a message (Ideas that worked). Apr., 47.  
Why off the job safety? (Off the job). Mar., 156.

#### OFF THE JOB - STATISTICS

The cost of off the job accidents (Belknap). June, 52-53.  
Determining injury experience (off job) (Belknap). Apr., 41-42.  
The 1965 accident report (Smith). Apr., 54, 56.  
Unified program fights plant, OTJ accidents. June, 29-31.

#### OFFICE SAFETY

Bump bonnet (Safetybriefs). June, 13.

#### ORGANIZATION (SAFETY PROGRAMS)

Employee survey repays fourfold. May, 26-28.  
How do you maintain interest in safety? (Consultation corner). June, 10.  
Motivating the worker for safety (A psychologist's view of safety: no. V)  
(Planek). Feb., 44-45.  
Unified program fights plant, OTJ accidents. June, 29-31.  
What makes a good safety program? (Consultation corner). June, 9-10.  
See also AWARDS; CONTESTS; SAFETY STUNTS; SELLING SAFETY; VISUAL AIDS.

#### PERSONAL PROTECTIVE EQUIPMENT

Bump bonnet (Safetybriefs). June, 13.  
Drownproofing workers, guidelines to selection of personal protective equipment. Mar., 54-55.  
Electrical hazards shoes (Consultation corner). May, 12, 16.  
Fighting foot punctures. May, 41.  
Radiant energy eye protection devices. In two parts: I. Welding operations. II. Molten metal glare (Shiras). Mar., 63-68, and 69-70.  
Safety equipment certification in Canada. (Hopkins). Apr., 34-36.  
Testing safety equipment. Mar., 60-61.  
Thermal garment hazard (Safetybriefs). Mar., 24.  
See also GOGGLES; HATS; RESPIRATORS

#### PERSONALS

Personals. News of people in safety and related activities. Jan., 96-98; Feb., 92-94; Mar., 124, 126, 128, 130; Apr., none; May, 52-53, 56; June, 57.  
Atkinson, William, Jr.--To safety managership at Continental Can Company May, 52.  
Campbell, Earl F.--1965 winner of the Paul Gray Hoffman Award. Feb., 92.  
Carlson, W. E.--Named to loss prevention post at General Telephone & Electronics Service Corp. Feb., 92.  
Caswell, Thomas--Maine honors veteran safe workers. Feb., 33.  
Coate, Glenn M.--Belt RY names Coate to safety position. Mar., 124.  
De Moss, J. M.--Becomes safety director at Keer-McKee Corp., Mar., 128, 130.  
Eason, Aubrey A.--Named safety supervisor of Jesup (Ga.) Division of Ravonier, Inc. May, 54.  
Ebert, Robert B.--Honolulu appoints safety officer. Jan., 98.  
Fletcher, Harry D.--To head Public Safety Institute of Pennsylvania State University. May, 52.  
Gilfillan, J. H.--Named safety superintendent at Chicago, Rock Island and Pacific Railroad, Chicago. Mar., 124, 126.  
Hartley, Boyd A.--Named associate professor of fire protection at IIT. May, 54.  
Harville, E. D.--Safety changes at Burlington Lines. Mar., 124.  
Haskell, Maurice--Maine honors veteran safe workers. Feb., 33.  
Hatch, Theodore F.--Honored by American Industrial Hygiene Association. May, 54.  
Hefler, Ethel--Maine honors veteran safe workers. Feb., 33.  
Hibbard, Walter R., Jr.--Bureau of Mines named Hibbard director. Feb., 92.  
Hodges, Kenneth C.--Meyers retires; Hodges becomes assistant manager of Du Pont Company's Safety & Fire Protection Division. May, 52.  
Huntoon, G. R.--Retired from Chicago, Rock Island and Pacific Railroad. Mar., 124.  
Jensen, Rolf H.--To head IIT department. May, 54.  
Johnson, William G.--Presentation of Cameron Award. Jan., 78.  
Keller, George J.--Named electrical safety consultant. Mar., 126.  
Kennedy, G. Donald--Kennedy retires as PCA president. Feb., 93, 94.  
King, Mellon--Maine honors veteran safe workers. Feb., 33.  
Klein, Philip A.--Appointed to regional safety post of Employers Mutuals of Wausau. Mar., 124.  
Levesque, Louis--Maine honors veteran safe workers. Feb., 33.  
Logan, William--Maine honors veteran safe workers. Feb., 33.

#### PERSONALS (continued)

McKee, Jack E.--Appointed a member of AEC's Reactor Safeguards Committee. Feb., 92.

Maatman, Gerald L.--To Kemper post. May, 54.

Marian, Ronald A.--To Youngstown Safety Council post. Mar., 126.

Meyers, Edgar J.--Meyers of Du Pont retires. May, 52.

Mill, John Stuart--Bad old days--quote from him on mechanical inventions (The safety valve). May, 93.

Miller, Earl J.--To head personnel of Penelec. Jan., 96.

Morris, Peter A.--Named to safety directorship at AEC's Division of Operational Safety. Jan., 96.

Morrison, Joseph E.--PPG announces safety shifts, Morrison safety director at Houston Chemical Corp. Mar., 124.

Okrent, David--Appointments at the AEC. May, 56.

Phelan, William J.--Fills new A.O. Smith post. Mar., 128.

Roberts, Frank--Named Dravo safety engineer. June, 57.

Schuster, Andrew P.--To fill Penelec safety post. Jan., 96.

Silver, Joseph W.--PPG announces safety shifts--Silver safety director at Shelby (N.C.) plant. Mar., 124.

Slaven, J. E.--Safety changes at Burlington Lines. Mar., 124.

Spiegelman, Arthur--Honored by plastics industry. May, 52, 54.

Stitt, D. W.--Appointed to newly-created position of Pacific regional safety and health coordinator of Continental Can Co. June, 57.

Stroube, Jack R.--Appointed safety director for Container Corporation. May, 54, 56.

Tillery, William H.--Named IMC safety specialist. Mar., 128.  
--To new safety post at International Minerals & Chemical Corp. plant at Carlsbad, N.M. May, 56.

Whitaker, J. S.--Environmental health post filled by Dr. Whitaker. June, 57.

Wickard, Theodore F.--Receiving Cameron Award for Public Utilities Section. Jan., 78.

Winchell, James E.--Named safety and health services manager in insurance firm. June, 57.

Wingate, Roger H.--Wingate appointed loss prevention VP. June, 57.

Wood, Robert--Maine honors veteran safe workers. Feb., 33.

Woodruff, Nathan--Transferred to U. S. State Department. Jan., 96.

#### PETROLEUM INDUSTRY

Unified program fights plant, OTJ accidents. June, 29-31.

Philo, Harry M.

Who's responsible for machine safety? Mar., 38-41.

#### PHOTOGRAPHS

The "instant" photograph as a safety tool (Shiras). Jan., 26-27.

#### PIPELINES

Pressure piping code (Wire). Jan., 84.

#### PIPES - COLOR IDENTIFICATION

Resourceful contractor? (Safetybriefs). May, 22.

Planek, Thomas W.

A psychologist's view of safety. (A series\* of articles on the applications of industrial psychology to safety problems):

V. Motivating the worker for safety. Feb., 44-45.

VI. Predisposition or proneness? Mar., 120.

VII. Reinforcement - an aid to supervision. Apr., 98.

VIII. Building safety habits. June, 66-67.

(\*This series appears under the monthly title of "Research.

Comment on current work related to safety engineering.")

PLANT TRAFFIC

Aids to in-plant traffic control. Mar., 50-51.

POLICE

Messengers of mercy (The safety valve). May, 92-93.

POSTERS

Keeping posted. New safety materials from the National Safety Council.

Monthly feature.

Study links threat, poster effectiveness. June, 44-46.

POWER MOWERS

Power lawn mowers. Data sheet 464 revised. Feb., 38-41.

Progressive product safety (Safetybriefs). Mar., 24.

A response to the product safety problem (Dauw). June, 22-25.

POWER PRESSES

No more bar bumps (Ideas that worked). Jan., 37.

Safety pedal (Ideas that worked). Mar., 59.

Who's responsible for machine safety? (Philo). Mar., 38. (Pt. of longer article).

PROGRAMMED INSTRUCTION

Can programmed instruction change attitudes? (Rust). Jan., 33-34.

PI at a glance. Jan., 32.

PUBLIC WORKS

Employee survey repays fourfold. May, 26-28.

PSYCHOLOGY, See INDUSTRIAL PSYCHOLOGY

Pyle, Howard

NSC testimony on the Traffic Safety Act of 1966 (Wire). May, 74.

Mr. Pyle presented NSC's 18-point program for traffic safety (Wire). Apr., 64, 66, 70.

QUARRIES

Crushed stone, not bodies (Safetybriefs). June, 13.

RADIATION

Better radiation compensation (Safetybriefs). May, 22.

Radiant energy eye protection devices. In two parts: I. Welding operations.

II. Molten metal glare (Shiras). Mar., 63-68, and 69-70.

Radioactive material regulations (Wire). Feb., 84.

#### RAILROAD CARS

Spring sign (Ideas that worked). Feb., 43.

Recht, J. L.

Systems safety analysis: --failure mode and effect. Feb., 24-26.

--the fault tree. Apr., 37-40.

--error rates and costs. June, 26-28.

(note: Pt. 1 of this series of 4, appeared in December, 1965)

#### RECREATION

Recreational accident prevention (Wire). Jan., 85.

#### RESEARCH

Research. Comment on current work related to safety engineering (Planek).

Feb., 44-45; Mar., 120; Apr., 98; June, 66-67.

#### RESPIRATORS

Chlorine. Data sheet 207, revised. Mar., 84, 86, 90.

Respiratory protection for nuclear researchers (Dauw). Mar., 46-49.

SCCABA clarification (Safetybrief). Feb., 20.

Ribicoff, Abraham

Ribicoff testimony on the Traffic Safety Act of 1966 (Wire). May, 70, 72, 78.

Subcommittee on Executive Reorganization began third round, with Howard Pyle presenting NSC's 18-point program (Wire). Apr., 64, 66, 70.

Roche, James

GM president speaks on highway safety (Wire). Mar., 108.

Rockefeller, Nelson A.

State failures will make it necessary for federal government to assume more authority in traffic problems (Wire). Jan., 90.

#### ROPE

Testing fiber rope (Consultation corner). Apr., 14, 16.

Rust, Grosvenor C.

Can programmed instruction change attitudes? Jan., 33-34.

Ryan, Allan J.

On "recreational accidents" at White House Conference on Health (Wire).

Jan., 85.

#### SAFETYBRIEFS

Safetybriefs. Jan., 16; Feb., 20; Mar., 24; Apr., 22; May, 22; June, 13.

#### SAFETY CENTERS

Auto safety interest mushrooms (Safetybriefs). Mar., 24.

#### SAFETY EQUIPMENT

Drownproofing workers, guidelines to selection of personal protective equipment. Mar., 54-55.

Exporting safety--U.S. Trade Center show in Bangkok (Safetybriefs). Jan., 16.



#### SAFETY EQUIPMENT (continued)

ISEA donates safety equipment exhibit. June, 43.  
Jordan seeks safety equipment samples (Voice of reader). Apr., 7, 11.  
Safety product data: index, brand names, catalogs, manufacturers and distributors, films, standards and references. Mar., 167-294.  
Testing safety equipment. Mar., 60-61.  
See also PERSONAL PROTECTIVE EQUIPMENT

#### SAFETY EQUIPMENT - CERTIFICATION

A response to the product safety problem (Daw). June, 22-25.  
Safety equipment certification in Canada (Hopkins). Apr., 34-36.

#### SAFETY LIBRARY

Safety library (Zearing). Monthly feature.

#### SAFETY PROGRAMS, See ORGANIZATION

#### SAFETY STUNTS

Pocket protector safety campaign (Ideas that worked). June, 48.  
Safety dial (Safetybriefs). Mar., 24.  
Suspense, participation, keynotes this OTJ program. Feb., 36-37.

#### THE SAFETY VALVE

The safety valve (Fish). Jan., 76-77; Feb., 80-82; Mar., 152, 155; Apr., 82-83; May, 92-94; June, 82-83.

#### SAWS

Safe sawing (Ideas that worked). Feb., 42.

#### SCHOOL SHOPS

Eyewear sanitization (Consultation corner). Feb., 12.

#### SEASONAL HAZARDS

Barrier controls snow buildup over plant exits (Ideas that worked).  
Jan., 37.  
Springtime safety (Off the job). Jan., 38.

#### SEAT BELTS

Bring 'em back alive--dashboard sticker (Safetybriefs). Jan., 16.  
Research award winners for 1965 Metropolitan award, announced--paper by Dean I. Manheimer and others "A follow up study of seat belt usage", won certificate of commendation. Mar., 28, 32.  
Unbuckle for safety (Safetybriefs). Feb., 20.

#### SELENIUM

Selenium and its compounds. Data sheet 578. May, 42-45.

#### SELLING SAFETY

Is "shocker" necessary (Voice of reader). Mar., 6.  
Supers only? (Voice of reader). Apr., 7.  
What makes men safety conscious? 100 word statement of experience contest.  
Feb., 34-35.



#### SEWERS

Gases in sewer lines (Consultation corner). Jan., 12, 14.  
Sewer pipe cleaning. Data sheet 577. Apr., 48-52.

#### Shiras, Frank

The "instant" photography as a safety tool. Jan., 26-27.  
Radiant energy eye protection devices. In two parts: I. Welding operations.  
II. Molten metal glare. Mar., 63-68, and 69-70.

#### SIGNS

Portable sign (Ideas that worked). May, 47.  
Two-way reminder sign with a message (Ideas that worked). Apr., 47.

#### Smith, L. C.

Consultation corner. Jan., 12, 14; Feb., 12; Mar., 16, 20; Apr., 14, 16;  
May, 12, 16; June, 9-10.  
Training via the incident process. Jan., 22-23.

#### Smith, Sidney D.

1965 accident report. Apr., 54, 56.

#### SPANISH LANGUAGE

Spanish language safety films. Jan., 103.

#### SPECTACLES

Radiant energy eye protection devices. In two parts: I. Welding operations.  
II. Molten metal glare (Shiras). Mar., 63-68, and 69-70.

#### Speno, Edward J.

Testimony at hearings of Highway Safety Act of 1966--urged federal support  
for state prototype car developments (Wire). June, 92.  
Testimony at Ribicoff hearings on the N.Y. prototype safety car (Wire).  
Apr., 70, 80.

#### SPRAY EQUIPMENT

Spray-can hazard (Voice of reader). Apr., 11, 12.  
That spray gun is loaded (Safetybriefs). June, 13.

#### STANDARDS

ASA revises elevator code. May, 10.  
Applications of electric plug and receptacle configurations. Data sheet  
579. June, 38-42.  
Double standard--federally-oriented or independent standards organizations  
(Safetybriefs). Apr., 22.  
A response to the product safety problem (Dauw). June, 22-25.  
Safety product data: product standards and references. Mar., 310-322.  
What's new in the National Electrical Code? (Tryon). Feb., 27-29.

#### Stevens, W. R.

Training is no miracle drug (Highlights of congress talk). Jan., 21.

#### SYMBOLS

Emergency medical identification (Dukelow). Feb., 48.

#### SYSTEMS SAFETY

How system safety relates to industrial safety (Wissner). May, 34-35.  
Systems approach to training (Safetybriefs). Jan., 16.  
Systems safety analysis (Recht):  
--failure mode and effect. Feb., 24-26.  
--the fault tree. Apr., 37-40.  
--error rates and costs. June, 26-28.  
(note: pt. 1 in this series of 4, appeared in December, 1965)  
University of Washington offering courses in systems safety analysis.  
Apr., 40.

#### TAXES

Restoration and recommendations on taxes for highway and traffic safety recommended by the President in his budget message (Wire). Mar., 98.

#### TELEVISION BROADCASTS

Coming in May--another National Drivers' Test. Mar., 143.  
Holy batmobile (Safetybriefs). May, 22.  
In defense of Batman (Safetybriefs). June, 13.  
Promote the 1966 National Drivers test. (Off the job). May, 49.

#### TEXTILES - SYNTHETIC

Thermal garment hazard (Safetybriefs). Mar., 24.

#### TIRES

FTC proposes tire standards (Wire). May, 78.  
Tire standards--Senate passed a substitute bill for S 2669, relating to tire safety (Wire). May, 68, 70.

#### TOOLS

Applications of electric plug and receptacle configurations. Data sheet 579. June, 38-42.  
Biomechanics--foe of industrial work stress (Hopkins). May, 29-33.  
Bung wrench shield (Ideas that worked). Mar., 59.  
Holding a flat hand chisel (Consultation corner). Mar., 16.

#### TRAFFIC - FEDERAL ASPECTS

LBJ's Traffic Safety Act of 1966, the S 3005- HR 13228--three major aspects (Wire). May, 70.  
President Johnson to propose a Highway Safety Act of 1966 (Wire). Mar., 98.  
President's Committee for Traffic Safety issued report on new section "Health, Medical Care, and Transportation of Injured" (Wire). Apr., 81.  
President's Committee for Traffic Safety urged that an international traffic conference be arranged (Wire). Feb., 84.  
President's Committee for Traffic Safety's 1965 report given to the President (Wire). Mar., 106.  
President's message to transportation leaders--pressed for his Highway Safety Act of 1966; more hearings on Act (Wire). June, 85, 88-94.  
Presidential message--weakness of highway safety program; remedies; administrative actions taken (Wire). Apr., 60, 62, 64.  
Senators Ribicoff and Kennedy proposed amendments to strengthen S 3005 (Wire). June, 93-94.  
Tydings calls for federal action in five areas--including minimum standards for driver, car, and highway (Wire). Jan., 89-90.

#### TRAFFIC PROGRAMS

American Trial Lawyers Assn. request federal legislation for traffic safety--a 10 point program (Wire). Apr., 81.  
Highway safety "progress" called for (Wire). Mar., 102, 104.  
Howard Pyle presented at Congressional hearings NSC's 18-point traffic safety program (Wire). Apr., 64, 66, 70.  
President's message to transportation leaders--pressed for his Highway Safety Act of 1966; more hearings held on Act (Wire). June, 85, 88-94.  
Presidential message--weakness of present highway safety program; remedies (Wire). Apr., 60, 62, 64.  
Vehicle Equipment Safety Compact called by Ralph Nader "wholly unnecessary interlayer between state and federal govts.," (Wire). June, 88.

#### TRAFFIC RESEARCH

Budget message from the President (Wire). Mar., 98.  
Cornell Aeronautical Laboratory men testified at hearings on Safety Act of 1966 (Wire). June, 88.  
LBJ's Traffic Safety Act of 1966--title III provides for research and development (Wire). May, 70.  
Ralph Nader decried Public Health Service's failure to explain termination of grant to Harvard Medical School (Wire). June, 88.

#### TRAINING

Does your training miss these people? Jan., 24-25.  
4 approaches to better training--highlights of papers by William E. Bright, Jr., Nicholas Anton, D. A. Weaver, and W. R. Stevens, given at the National Safety Congress. Jan., 20-21.  
One-man safety school (Burch). Jan., 28-31.  
Sources of visual aids for the safetyman. Jan., 79-83.  
Training programs available from the National Safety Council. Jan., 104.  
Training via the incident process (Smith). Jan., 22-23.  
Who should give job instruction? (Consultation corner). Mar., 16, 20.  
See also PROGRAMMED INSTRUCTION

#### TRANSPORTATION

Hazardous cargo information (Safetybriefs). June, 13.  
Presidential message on transportation--proposals on highway safety, accidents, and remedies (Wire). Apr., 60, 62, 64.  
Radioactive material regulations (Wire). Feb., 84.  
Transportation research appointment--A. S. Lang to head expanded effort (Wire). Feb., 84.

#### TRAVEL

Motor travel up (Wire). Feb., 86.

#### TREE FELLING

Cost view shifts logging safety emphasis (Elsby). Feb., 32.

#### TRUCKS, COMMERCIAL

ICC urged better design for fuel tanks (Wire). Feb., 86.

## TRUCKS, INDUSTRIAL

Hinged top affords loading ease (Ideas that worked). Jan., 36.  
Modifications reduce forklift truck hazards. Mar., 71-73.  
Operating internal combustion engines in warehouses (Consultation corner).  
Apr., 14.

Tryon, George H.

What's new in the National Electrical Code. Feb., 27-29.

## U. S. BUR. AND DEPTS. - FOOD AND DRUG ADMINISTRATION

Expansion of Food and Drug training program a Presidential proposal (Wire).  
May, 66, 68.

## U. S. BUR. AND DEPTS. - HOUSING AND URBAN DEVELOPMENT

Budget requests for 1967 (Wire). Mar., 100.

## U. S. BUR. AND DEPTS. - LABOR

Federal Service Contract safety now required (Wire). Feb., 84.  
Secretary of Labor Wirtz name 12 as safety advisors (Wire). Jan., 84.  
U. S. Dept. of Labor budget requests (Wire). Mar., 98, 100.

## U. S. BUR. AND DEPTS. - NATIONAL TRAFFIC SAFETY AGENCY (proposed)

Mackay introduced HR 12548 to create new agency within Dept. of Commerce  
(Wire). Apr., 81.  
National Traffic Safety Agency proposed; also Center (Wire). May, 78.

## U. S. BUR. AND DEPTS. - PUBLIC HEALTH SERVICE

PHS budget requests (Wire). Mar., 98.  
Ralph Nader decried PHS's failure to explain termination of grant to Harvard  
Medical School (Wire). June, 88.

## U. S. BUR. AND DEPTS. - TRANSPORTATION (proposed)

Hearings on new Department of Transportation (proposed) (S 3010), including  
a Nat'l Transportation Safety Board (Wire). May, 78.  
LBJ's Traffic Safety Act of 1966, Title I, defines authority of Transportation  
Dept., (Wire). May, 70.  
Presidential message on transportation--proposal for a National Transportation  
Safety Board, and a Dept. of Transportation (Wire). Apr., 60.  
S 3010 bill to create Dept. of Transportation would establish National  
Transportation Board (Wire). June, 92.

## U. S. MILITARY SERVICES

Army's 18th award of honor from NSC (Safetybriefs). May, 22.

## VALVES

The ABC's of lockouts. Mar., 42-45.  
Underground valve maintenance (Ideas that worked). June, 49.

## VISUAL AIDS

The "instant" photograph as safety tool (Shiras). Jan., 26-27.  
Nonprojected visuals: how they can help you. Jan., 39-41.  
Projected still pictures (Slides, strips, and opaque or overhead projec-  
tions). Data sheet 574. Jan., scattered pagings 44-66.

#### VISUAL AIDS (continued)

Sources of visual aids for the safetyman. Jan., 79-83.

Visual aids: a comparison of projected, and nonprojected types. Jan., 42-43.

See also FILMS; POSTERS; TELEVISION BROADCASTS

#### VOICE

Voice of reader. Jan., 6, 9, 11; Feb., 6, 10; Mar., 6, 11; Apr., 7, 11, 12; May, 8.

#### WASTE DISPOSAL

Big business (The safety valve). Mar., 152, 154.

Solid waste disposal--HEW issued regulations on grant support of projects (Wire). June, 84.

Will litter bury us? (The safety valve). Feb., 80.

#### WATCHMEN

Disabled watchmen (Voice of reader). Apr., 7.

Protection for watchman (Consultation corner). Feb., 12.

#### WATER POLLUTION

Presidential message to Congress; S 2947 bill (Wire). Apr., 58.

Reorganization plan of functions under Federal Water Pollution Control Act (Wire). May, 66.

Water quality improvement--Executive Order no. 11258 (Wire). Mar., 94.

#### WATER SAFETY

Feet first--free falls into water (Safetybriefs). Feb., 20.

For OTJ programs--Safe boating week kit (Safetybriefs). May, 22.

#### Weaver, D. A.

A common training misconception (Highlights of congress talk). Jan., 21.

#### WELDING

Radiant energy eye protection devices. In two parts: I. Welding operations (Shiras). Mar., 63-68. (Part II, Molten metal glare, 69-70)

#### Wissner, I. E.

How system safety relates to industrial safety. May, 34-35.

#### Wolnez, G. J.

Accident prevention in the plant kitchen. Apr., 26-31.

#### WORKBENCHES

Biomechanics--foe of industrial work stress (Hopkins). May, 29-33.

#### WORKMEN'S COMPENSATION

Better radiation compensation (Safetybriefs). May, 22.

#### WRITING

4 steps to easier writing (McElroy). May, 38-40.

Slips that pass in the type (The safety valve). June, 82-83.

#### Zearing, Lois

Safety library. Review of books, pamphlets, and periodical literature of interest to safety men. Monthly feature.

The first part of the paper is devoted to a general discussion of the problem of the origin of life. It is shown that the problem is not only a scientific one, but also a philosophical one. The scientific aspect of the problem is concerned with the question of how life arose from non-life. The philosophical aspect is concerned with the question of whether life is a necessary part of the universe or whether it is a mere accident.

The second part of the paper is devoted to a discussion of the various theories of the origin of life. It is shown that there are three main theories: the theory of spontaneous generation, the theory of panspermia, and the theory of abiogenesis. Each of these theories is discussed in detail, and the evidence for and against each is presented.

The third part of the paper is devoted to a discussion of the evidence for the origin of life. It is shown that there is a great deal of evidence in favor of the theory of abiogenesis. This evidence includes the discovery of the fossil record, the discovery of the chemical evolution of life, and the discovery of the genetic code.

The fourth part of the paper is devoted to a discussion of the implications of the origin of life. It is shown that the origin of life has important implications for our understanding of the universe and for our understanding of ourselves. It is also shown that the origin of life has important implications for the search for life on other planets.

